

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	May 26, 2006
				First Named Inventor	Lee et al.
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	4240-142
Sheet	1	of	2		

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM- DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (<i>if known</i>)				
/MM/	AC	KR - -10-0372218- B1	02-14-2003	Jang, Ho Nam, et al.		
/MM/	AD	KR - -10-0267505- B1	10-16-2000	Pan, Jae Gu, et al.		

Examiner Signature	/Mohammad Meah/	Date Considered	08/07/2007
-----------------------	-----------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	Not Yet Assigned
Filing Date	May 26, 2006
First Named Inventor	Lee et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	4240-142

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/MM/	AE	CHATTERJEE, RANJINI, ET AL., Mutation of the ptsG Gene Results in Increased Production of Succinate in Fermentation of Glucose by Escherichia coli, Appl. Environ. Microbiol., January 2001, Page(s) 148-154, Volume 67, Number 1	
	AF	LEE, P.C., ET AL., Batch and continuous cultivation of Anaerobiospirillum succiniciproducens for the production of succinic acid from whey, Appl. Microbiol. Biotechnol., July 2000, Page(s) 23-27, Volume 54, Number 1	
	AG	LEE, PYONG CHEON, ET AL., Succinic acid production with reduced by-product formation in the fermentation of Anaerobiospirillum succiniciproducens..., Biotechnol. Bioeng., November 6, 2000, Page(s) 41-48, Volume 72, Number 1	
	AH	LEE, P.C., ET AL., Isolation and characterization of a new succinic acid-producing bacterium, Mannheimia succiniciproducens MBEL55E, from ..., Appl. Microbiol. Biotechnol., April 2002, Page(s) 663-668, Volume 58, Number 5	
	AI	LEE, P.C., ET AL., Batch and continuous cultures of Mannheimia succiniciproducens MBEL55E for the production of succinic acid from whey and ..., Bioprocess Biosys. Eng., November 2003, Page(s) 63-67, Volume 26, Number 1	
	AJ	LEE, P.C., ET AL., Biological conversion of wood hydrolysate to succinic acid by Anaerobiospirillum succiniciproducens, Biotechnol. Lett., January 2003, Page(s) 111-114, Volume 25, Number 2	
	AK	MILLARD, CYNTHIA SANVILLE, ET AL., Enhanced production of succinic acid by overexpression of phosphoenolpyruvate carboxylase in Escherichia coli, Appl. Environ. Microbiol., May 1996, Page(s) 1808-1810, Volume 62, Number 5	
	AL	STOLS, LUCY, ET AL., Production of succinic acid through overexpression of NAD(+)-dependent malic enzyme in an Escherichia coli mutant, Appl. Environ. Microbiol., July 1997, Page(s) 2695-2701, Volume 63, Number 7	
	AM	VEMURI, G.N., ET AL., Succinate production in dual-phase Escherichia coli fermentations depends on the time of transition from aerobic to..., J. Ind. Microbiol. Biotech., June 2002, Page(s) 325-332, Volume 28, Number 6	
/MM/	AN	VEMURI, G.N., ET AL., Effects of Growth Mode and Pyruvate Carboxylase on Succinic Acid Production by Metabolically Engineered Strains of ..., Appl. Environ. Microbiol., April 2002, Page(s) 1715-1727, Volume 68, Number 4	

Examiner Signature	/Mohammad Meah/	Date Considered	08/07/2007
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JUL 31 2006

PTO/SB/08a (07-05)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/580,556
		Filing Date	5/26/2006
		First Named Inventor	Lee, et al.
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Sheet 1 of 1	Attorney Docket Number	4240-142	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM- DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

NONPATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/MM/	AO	CHAO, YUN-PENG, ET AL., Alteration of growth yield by overexpression of phosphoenolpyruvate carboxylase and phosphoenolpyruvate carboxykinase...., Appl. Environ. Microbiol., December 1993, Page(s) 4261-4265, Volume 59, Number 12			
/MM/	AP	DAVIS, C.P., Anaerobiospirillum, a new genus of spiral-shaped bacteria, Int. J. Sys. Bacteriol., October 1976, Page(s) 498-504, Volume 26, Number 4			
/MM/	AQ	ZEIKUS, J.G., Chemical and fuel production by anaerobic bacteria, Ann. Rev. Microbiol., 1980, Page(s) 423-464, Volume 34			

Examiner Signature	/Mohammad Meahl/	Date Considered	08/07/2007
-----------------------	------------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.87 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9189 and select option 2. PTO/SB/08b (07-05)